IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:
Shigeki Ohno et al.
Serial No.: 10/561,680 Art Unit: 1796
Filed : March 16, 2007 Examiner: REDDY, KARUNA P
Title : CURING COMPOSITION

DECLARATION UNDER RULE 132

Honorable Commissioner of Patents and Trademarks,
Alexandria, Virginia 22313-1450

Sir:

I, Jun Kotani, a citizen of Japan and having postal mailing address of c/o Kaneka Corporation, 5-1-1, Torikai-Nishi, Settsu-shi, Osaka 566-0072, Japan, declare and say that:

In March, 1992, I was graduated from Graduate School of Engineering, Kyoto University, and received a master's degree in the field of chemistry;

Since April, 1992, I have been employed by Kaneka Corporation and engaged in the work of Oligomer Products Development Team in New Business Development Group in High Performance Polymers Division;

I am familiar with the technical field of the present invention;

I respectfully submit herewith my exact report;

In order to demonstrate the effect of the present invention, I have carried out the following experiments.

Production Example 4

Production of an n-Butyl Acrylate Polymer Having an Acryloyl Group at the Terminal

A polymer [P4] was prepared in the same manner as in Production Example 3 of the present application. The polymer [P4] had a number average molecular weight of 21,600 and a molecular weight distribution of 1.2. The average number of terminal acryloyl group per one molecule was 1.8, based on ^{1}H NMR analysis.

Example 36

To 100 parts of the polymer [P4] obtained in Production Example 4, 1 part of stearyl stearate (UNISTAR M-9676: available from NOF CORPORATION) and 0.5 part of tertiary butylperoxyisopropyl carbonate (PERBUTYL I: available from NOF CORPORATION) were added and stirred and mixed well. The mixture was formed into a sheet of about 2 mm thick, and cured and matured at 180°C for 30 minutes. The surface tack of the cured product was observed and the evaluation result was "E" (good state).

Comparative Example 8

To 100 parts of the polymer [P4] obtained in Production Example 4, 1 part of stearylamine (available from WAKO PURE CHEMICAL INDUSTRIES, LTD) and 0.5 part of tertiary butylperoxyisopropyl carbonate (PERBUTYL I: available from NOF CORPORATION) were added and stirred and mixed well. The mixture was formed into a sheet of about 2 mm thick, and cured and matured at 180°C for 30 minutes. The surface tack of the cured product was observed and the evaluation result was "P" (sticky).

Comparative Example 9

A cured product was prepared in the same manner as in Comparative Example 8 except that 2 parts of

stearylamine was used. The surface tack of the cured product was observed and the evaluation result was "P" (sticky).

I declare further that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Signed this 10th day of June, 2010

Jun Kotani

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